

**STS**

750 Corporate Woods Parkway, Vernon Hills, IL 60061  
T 847.279.2500 F 847.279.2510 www.sts.aecom.com

**EPA Region 5 Records Ctr.****314712**

December 2, 2008

Mr. Trevor Sheldon  
McHugh Construction Company  
1737 S. Michigan Avenue  
Chicago, IL 60616

RE: Radiological Survey of Light Pole Installation Excavation  
Permit No.: 873464728  
Permit Address: 600 N. Lake Shore Drive  
STS Project No. 200804012

Dear Mr. Sheldon:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above-referenced site. STS provided the required radiation surveillance for the excavation for light pole installation on North Lake Shore Drive and East Ohio Street conducted during November 2008. Radiological surveying for light pole installation was additional work performed according to an extension of the previous permit issued for the excavation of sidewalks and curbs along East Ohio Street, North Lake Shore Drive, and East Ontario Street. Previous surveying results recorded in September and October of 2008 were documented in a report issued by STS on October 28, 2008.

The radiological surveying started near the southwestern side of the property on East Ohio Street with a 10 foot by 7 foot trench excavation, reaching a depth of approximately 6 ½ feet. Two additional 10 foot by 6 foot trenches were excavated along North Lake Shore Drive, again, reaching a depth of approximately 6 ½ feet. Radiological screening was performed after the removal of approximately 4 inches of concrete, and continued in 18 inch lifts until the desired depth was encountered (refer to Figure 1)

The monitoring revealed no indication of soils above the specified clean-up threshold established by the U.S. Environmental Protection Agency for the Streeterville area of Chicago. The USEPA threshold for Chicago is 7.1 picocuries per gram (pCi/g) total radium (Ra-226 + Ra-228). Gamma radiation count measurements for the project were made using a Ludlum Model 2221 survey meter and an unshielded 2 x 2 NaI probe (Model 44-10). For the instrumentation used, the gamma count indicative of the 7.1 pCi/g threshold was 19,482 counts per minute (cpm). The values within the excavations measured from 5,800 to about 13,900 cpm. Thus, there was no indication of an exceedance of the USEPA threshold.

Finally, as part of the permit conditions, this letter has been forwarded to:

**Chicago Department of Environment**  
**Attention: Ms. Rahmat Begum**  
30 North LaSalle Street, 25<sup>th</sup> Floor  
Chicago, Illinois 60602

Please contact us with any questions you have regarding this letter or the reported results.

Regards,

*Mark G. Neuses for*

Jaclyn Webb  
Project Scientist

*Steven C. Kornder*

Steven C. Kornder, Ph.D.  
Senior Project Geochemist

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cc: Rahmat Begum, Chicago Department of Environment  
Verneta Simon, USEPA

Attachments: Permit  
Sketch



City of Chicago  
Richard M. Daley, Mayor

Department of Environment

Suzanne Malec-McKenna  
Commissioner

Twenty-fifth Floor  
30 North LaSalle Street  
Chicago, Illinois 60602-2575  
(312) 744-7606 (Voice)  
(312) 744-6451 (FAX)  
(312) 744-3586 (TTY)

<http://www.cityofchicago.org>

## MEMORANDUM

**TO:** Kevin Augustyn, Randy Grueb, Charles Langenfeld  
River East LLC  
455 E. Illinois St.  
Suite 565  
Chicago, Illinois 60611

✓ **Mary Fulghum**  
USEPA Region V  
Lindsay Light II Site, Office of the Regional Counsel  
77 W. Jackson Blvd.  
Chicago, Illinois 60604

**Thomas L. Cabbage III**  
Covington & Burling  
1201 Pennsylvania Ave., N.W., Suite 721-E  
Washington, D.C. 20044

**Mr. Vincent S. Oleszkiewicz**  
Duane Morris  
227 W. Monroe St., Suite 3400  
Chicago, IL 60606

**Mark Kriple**  
West Chicago Project Facility  
800 Weyrauch St.  
West Chicago, IL 60185

**FROM:** Raul Valdivia, Ph. D  
Chief Engineer  
City of Chicago Department of Environment

**SUBJECT:** Notification of Permit Application - Lindsay Light II Site

**DATE:** 8/21/08 600 N. Lake Shore Dr.  
400-499 L. Ohio

Pursuant to Condition 10(a) of the Right-of-Way Agreement dated September 27, 1999, this is to inform you that a permit has been applied for with the City of Chicago Department of Transportation to conduct subsurface activities at the subject right-of-way. The applicant has contacted this Department and has reviewed additional information regarding potential contamination at the subject site (see attached form DOE.ROW.01).

If you have any questions, please do not hesitate to call me at (312) 744-5711.

Attachment

cc: ✓ Mort Ames, City of Chicago Department of Law (via fax 744-6798)  
✓ Eugene Jablonowski, USEPA (via fax 312-353-9281)

Last updated Dec. 15, 2001





City of Chicago  
Richard M. Daley, Mayor

Department of Environment

Sadhu A. Johnston  
Commissioner

Twenty-fifth Floor  
30 North LaSalle Street  
Chicago, Illinois 60602-2575  
(312) 744-7606 (Voice)  
(312) 744-6431 (FAX)  
(312) 744-3586 (TTY)  
<http://www.cityofchicago.org>

Permit No. 873464728

Date 8/21/08

Site Address

00 N. L.S.D  
00-449 E. OHIO  
Work Location (Describe  
exact site location and  
attach map)

600 N. L.S.D  
440-500 E. OHIO

Nature of Work  
DRIVEWAYS  
REMOVE & REPLACE  
Expected Start Date

NEIGHBORHOODS  
ALIVE!  
STREETS

## CITY OF CHICAGO DEPARTMENT OF ENVIRONMENT FORM NO. DOE.ROW.02

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Environment as potentially having environmental contamination on the site and adjacent right-of-way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at the Department of Environment at 30 N. LaSalle St., 25th Floor, Chicago, Illinois 60602 during normal business hours (8:30AM - 4:30PM, Monday through Friday). Contact (312) 744-7606 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. Please note that for some locations, additional health and safety procedures may be required by law.

Please complete the following:

I have reviewed and understand the documents, maintained by the Department of Environment, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the Department of Environment and the United States Environmental Protection Agency within two (2) weeks of their completion. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print) KEVIN GIBSON

Signature Kevin Gibson Date 8-21-08

Company JAMES MCHUGH CONSTRUCTION

Company Address / Phone No. 1737 S. MICHIGAN

Check if City Department Work ☐ Department Name

General / Prime Contractor JAMES MCHUGH CONSTRUCTION

Include subcontractor information if applicable

Address 1737 S. MICHIGAN

Phone No. 773 619-0159

Safety Officer / Phone No. 773 619-0159

Radiation Contractor / Phone No. (if applicable)

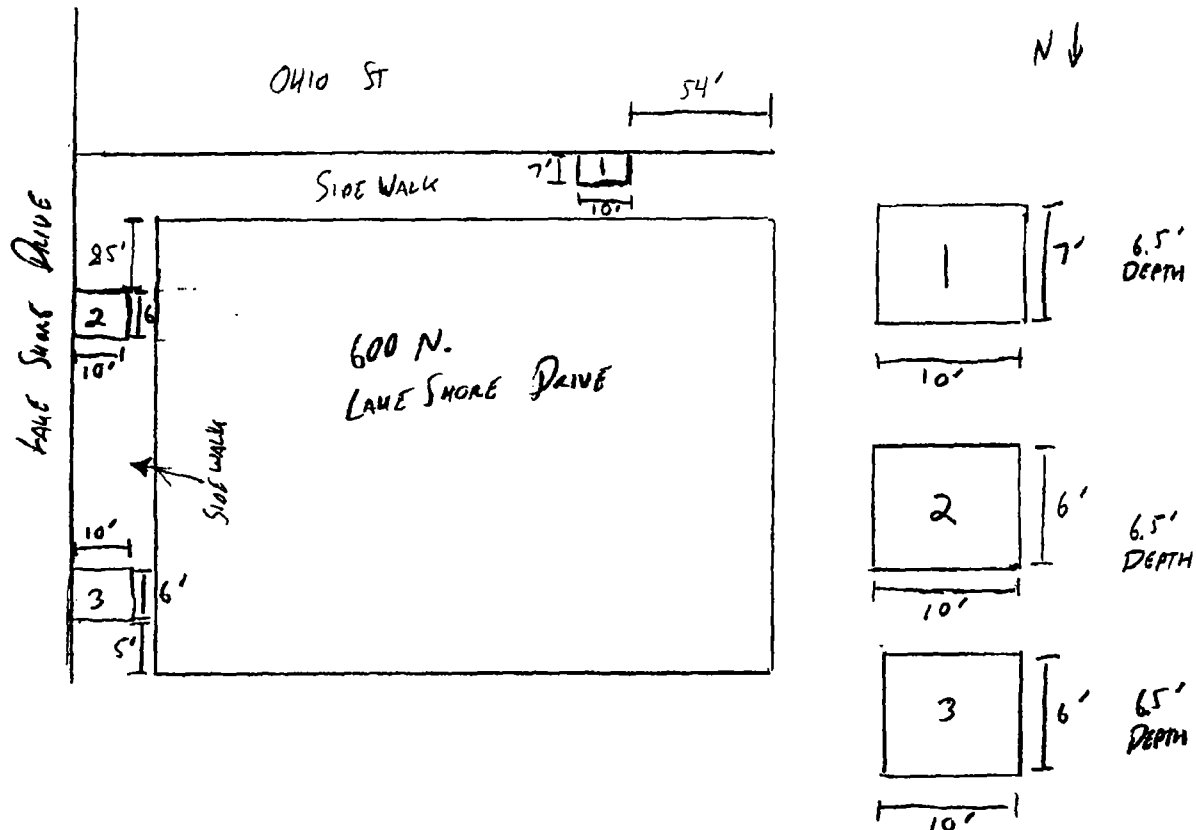
Department of Environment Approval / Date

Please return this completed form to the City of Chicago Department of Transportation at 30 N. LaSalle St., Room 1101, Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday).



## Calculation Sheet

Project	600 N. LAKE SHORE DRIVE			Subject	RAD SCREENING		
Originated By	BRS	Date	11/17-20/08	Checked By	BRS	Date	12/2/08
STS Job No.	200804012			Scale			
Sheet No.	1			Of	1		



- ① 4" CONCRETE
- 0-18" - 9,500
  - 18-36" - 12,200
  - 36-54" - 11,500
  - 54-72" - 13,900
  - 72-90" - 9,700

- ② 4" CONCRETE
- 0-18" - 5,800
  - 18-36" - 8,600
  - 36-54" - 11,200
  - 54-72" - 6,700
  - 72-90" - 9,200

- ③ 4" CONCRETE
- 0-18" - 6,800
  - 18-36" - 9,600
  - 36-54" - 8,800
  - 54-72" - 6,100
  - 72-90" - 5,900

LUDLUM EPA CUTOFF - 19,482

PROBE # 174496

S/N - 172039